

MINUTES OF DOT-AGC BRIDGE DESIGN SUBCOMMITTEE MEETING

The DOT-AGC Joint Bridge Design Subcommittee met on October 9th, 2007. Those in attendance were:

Greg Perfetti	State Bridge Design Engineer (Co-Chairman)
Berry Jenkins	Manager of Highway Heavy Division, Carolinas Branch AGC (Co-Chairman)
Mike Robinson	State Bridge Construction Engineer
Randall Gattis	Sanford Contractors
George White	Blythe Construction
Bryan Long	Dane Construction, Inc.
Erick Frazier	S.T. Wooten Corporation
Chris Britton	Taylor & Murphy Construction Co.
Greg Canniff	Rea Contracting, LLC
Allen Raynor	Asst. State Bridge Design Engineer
Tom Koch	Structure Design Project Engineer
Scott Hidden	Support Services Supervisor – Geotech. Eng. Unit
David Greene	Structural Members Engineer – Materials & Tests Unit
Steve Walton	Metals Engineer – Materials & Tests Unit
Gichuru Muchane	Structure Design Engineer

During the review of the August 15th, 2007 meeting minutes, the following items were discussed:

1. Micropile Projects

Mr. Robinson reported that on project B-4013 -- Bridge No. 338 on SR 1320 over Roaring Fork Creek in Ashe County, which was let recently, the contractor chose the micropile substructure alternate.

2. Fastener Inspection / Bolting Class

Mr. Walton reported that the course on bolting was currently under development and will be presented to Contractors and DOT personnel.

Mr. Green distributed a draft document on Anchor Rod Nut Tightening Requirements for Poles and invited Contractors to comment on the document.

3. Concrete Cylinder Tests

Mr. Robinson reported that the Department had implemented a procedure for notifying Contractors of the results of concrete cylinder tests.

The minutes of the August 15th, 2007 meeting were approved.

The following items of new business were discussed:

1. Contractor Claim Submittal Form

Mr. Robinson distributed a new Contractor Claim Submittal Form. He stated that the form included all the requirements for claims and would streamline the claims process by minimizing incomplete claims. He added that the Division Construction Engineers will be reviewing the form and he welcomed comments from the Contractors.

2. *Construction Loads on Bridges*

Mr. Robinson distributed a memorandum from the Chief Engineer – Operations, dated September 27, 2007 on Loads on Bridges During Construction and Maintenance Activities. After the recent collapse of the I-35W bridge in Minneapolis, the memorandum served as a reminder of the Department's requirements, as defined in the Standard Specifications.

Mr. Jenkins stated that he would post the memorandum on the Carolinas AGC web site.

3. *Other*

i. "Belting" Concrete:

Mr. Gattis shared information on his experience with placing concrete using a conveyor belt system in lieu of pumping. He noted that the costs are comparable and the process does not alter the characteristics of the concrete. He recommended "belting" concrete whenever possible on a job site.

ii. Soil Nail Walls:

The Geotechnical Engineering Unit stated that they are working towards standards for soil nail walls, and would solicit contractor feedback when the standards have been completed.

iii. Class I Surface Finish:

Contractors stated that the current requirement of a Class I Surface finish on gravity retaining walls was unnecessary and too expensive for this application. After some discussion, the Geotechnical Engineering Unit stated that they would re-evaluate the surface finish requirements after consulting with the Bridge Maintenance Unit.

iv. Crane Operator Certification :

Mr. Jenkins informed the committee that the Carolinas AGC had developed a Certified Crane Operator program that was modeled on the OSHA program. Mr. Jenkins welcomed comments on the AGC program.

4. *Next Meeting*

The next meeting is scheduled for Wednesday, December 12th, 2007 in Structure Design Conference Room C.

Post meeting note:

The meeting was subsequently postponed until February 13, 2008 due to a lack of agenda items.